TRANSMITTAL FORM (to be used for all correspondence after initial fill Total Number of Pages in This Submission	Approved for use through 04/30/2003. Oi U.S. Patent and Trademark Office; U.S. DEPARTMENT OF o persons are required to respond to a collection of information unless it displays a valid OMB of Application Number 10/620,007 Filing Date July 15, 2003 First Named Inventor Locke et al.	COMMERCE
Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53	Drawing(s) Licensing-related Papers Petition Petition to Convert to a Provisional Application Power of Attorney, Revocation Change of Correspondence Address Terminal Disclaimer Request for Refund CD, Number of CD(s) Remarks To fee is believed due. However, if any fee is due, the Commissioner is authorized to ny such fee and any additional fees due or credit any overpayment to Deposit According to a Technology Center (Tito a Appeal Communication to of Appeal Communi	C) Board les TC Brief)
Firm Neil R. Jetter Or AKERMAN SENTERFITT Individual Signature Date January 8, 2004	OKE OF AFFEIGANT, AFFORMET, OK AGENT	
I hereby certify that this correspondence is being fac	RTIFICATE OF TRANSMISSION/MAILING simile transmitted to the USPTO or deposited with the United States Postal Service with sufficier sioner for Patents, Washington, SC 20231 on this date: January 8, 2004	nt postage as

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Signature

Date January 8, 2004



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

re: Application of:

LOCKE et al.

Application No.:

10/620,007

Examiner:

Date Filed:

July 15, 2003

Group:

For: HYBRID ELECTRICAL DISCHARGE REACTORS AND THE USE OF ZEOLITES TO ENHANCE THE DEGRADATION OF CONTAMINANTS

CERTIFICATE UNDER 37 CFR 1.8(a)

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as First Class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

January 8, 2004.

Reg. No. 46,803

Neil R. Jetter

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicants hereby notify the U.S. Patent and Trademark Office of the documents which are listed on the attached Forms PTO/SB/08B which the Examiner may deem relevant to patentability of the claims of the above-identified application.

The submission of the listed documents are not intended as an admission that any listed document constitutes prior art against the claims of the present application. Applicants do not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

Applicants respectfully request that the listed documents be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO-1449 be returned in accordance with MPEP §609.

Although no fee is believed due, the Commissioner is hereby authorized to charge any fees which may be required by submission of these papers to Deposit Account No. 50-0951.

Respectfully submitted,

Dated: 1/8/64

Gregory A. Nelson, Reg. No. 30,577

Neil R. Jetter, Reg. No. 46,803

AKERMAN SENTERFITT

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Docket No. 3303-24

PTO/SB/08B (08-03)

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edustitute for form 1449/PTO				Complete if Known		
- ubsiku				Application Number	10/620,007	
INFORMATION DISCLOSURE			CLOSURE	Filing Date	July 15, 2003	
(Use as many sheets as necessary)		First Named Inventor	Locke et al.			
		Art Unit				
		Examiner Name				
Sheet	T 1	of	2	Attorney Docket Number	3303-24	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		BOSE et al., "DEGRADATION OF RDX BY VARIOUS ADVANCED OXIDATION PROCESSES: I. REACTION RATES," Wat. Res., 32:997-1004, 1998.	
		FUJII et al., "Removal of NOx by DC corona reactor with water," Journal of Electrostatics, 51-52:8-14, 2001.	
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		ITATANI et al., "Abatement of CF4 Using Atmospheric Pressure discharge Plasma," Proceedings of the Second Asia-Pacific International Symposium on the Basis and Application of Plasma Technology, 37-38, April 19-20, 2001.	
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		LUBICKI et al., "Pulsed Corona Discharge for Advanced Oxidation in Water Purification Technology," 1996 IEEE Annual Report-Conference on Electrical Insulation and Dielectric Phenomena, San Francisco, October 20-23, 1996.	
		MATSUI, et al. "Simultaneous removal of NOx and carbon soot from diesel exhaust using discharge plasma," Proceedings of the International Conference on Electrostatic Precipitation.	

Examiner	Date	
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[&]quot;EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. D NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

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PTO/SB/08B (08-03)

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the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known tute for form 1449/PTO **Application Number** 10/620,007 Filing Date INFORMATION DISCLOSURE July 15, 2003 STATEMENT BY APPLICANT **First Named Inventor** Locke et al. Art Unit (Use as many sheets as necessary) **Examiner Name** Attorney Docket Number Sheet 2 2 3303-24 of

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
		SHARMA et al., "A Preliminary Study of Pulsed Streamer Corona Discharge for the Degradation of Phenol in Aqueous Solutions," Hazardous Waste & Hazardous Materials, 10:209-219, 1993.		
		SHARMA et al., "Destruction of Pentachlorophenol Using Glow Discharge Plasma Process," Environmental Science & Technology, 34:2267-2272, 2000.		

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